

# Hunters Point Radiological Program Update

Hunters Point Naval Shipyard
BCT Meeting
August 7, 2014

### **Overview**

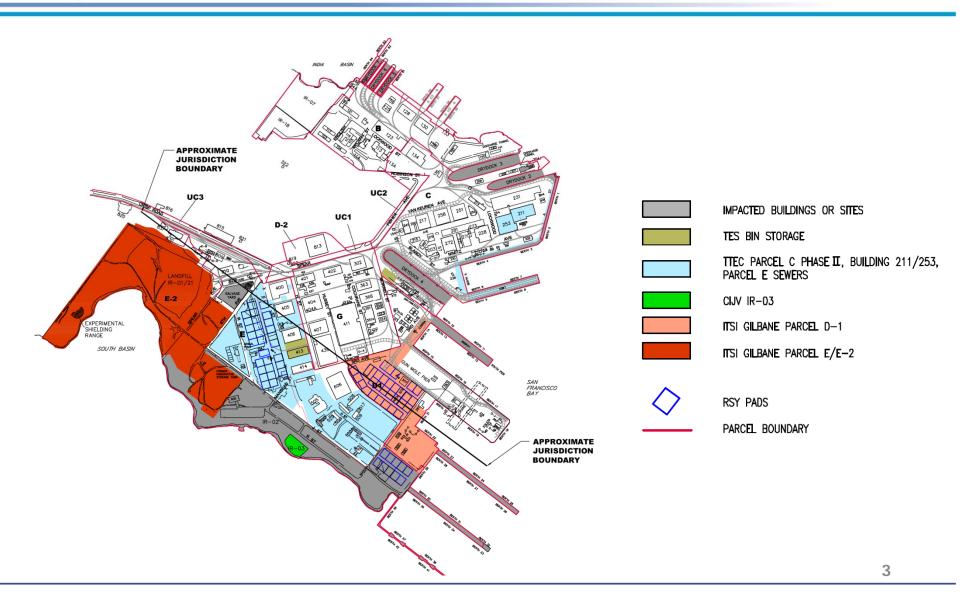


### Radiological Project Work Overview

- Current Project Map
- Parcel C
  - Phase II Field Work
  - Ship Berth Survey
  - Buildings 253 and 211 Survey
- Parcel E
  - "I Street" SS/SD Removal
- Parcel D-1
- FSS Report Status

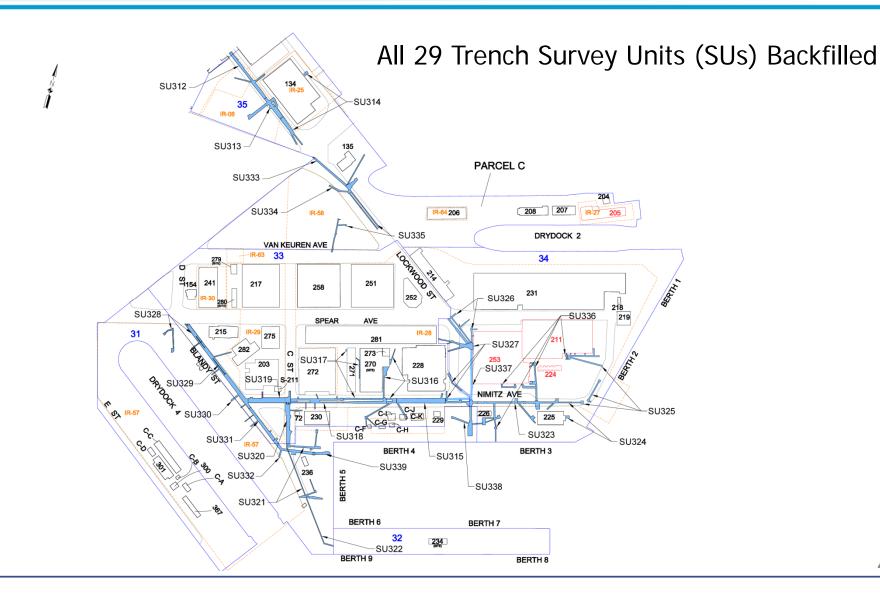
# **2014 Radiological Projects**





## Parcel C - Phase II SS/SD Removal



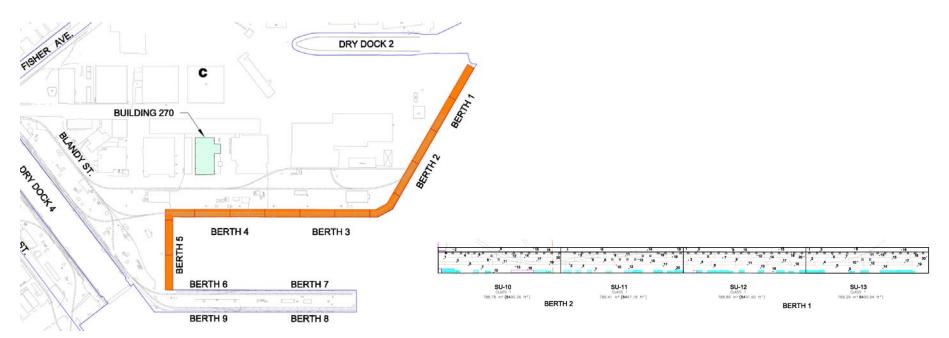




### Parcel C – Phase II Ship Berth Surveys

#### Cantilevered (concrete) Survey Units (Ship Berths 1 and 2):

 SUs 10, 11, 12, and 13 – Collecting additional static measurements at biased sample locations





### Parcel C – Phase II Ship Berth Surveys



Reacquiring biased sample locations at Ship Berth SU 11



## **Buildings 253 and 211**

	Class 1 Areas	Class 2 Areas	Class 3 Areas
Gamma Scans Completed	100%	60%	
Alpha/Beta Scans Completed	100%	100%	
Systematic Samples/Swipes Collected	100%	90%	
Biased Samples/Swipes Collected	100%	90%	100%



### **Buildings 253 and 211**

	Class 1 Area	Class 2 Areas	Class 3 Area
No. of SUs	252 <sup>1/</sup>	10	10
No. Met Release Criteria	211	6	9
No. Exceeded Release Criteria	35		13/
No. Exceeded Investigation Criteria			
But Not Release Criteria	2		
No. of SUs Not Surveyed Due to			
Safety Concerns <sup>2/</sup>	4		
In Process of Being Surveyed		4	

<sup>1/</sup> Includes 2 soil SUs, one for each building; each met release criteria

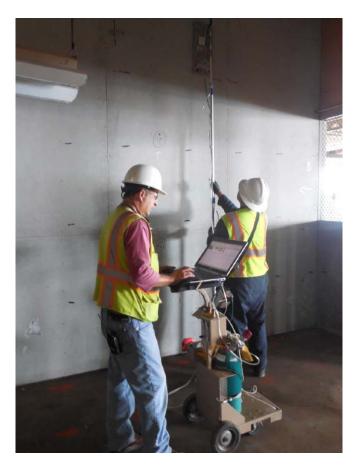
<sup>&</sup>lt;sup>2/</sup> Building 211 SUs 143, 144, 153, and 154

<sup>3/</sup> Elevated beta activity identified on the tiles on 6th floor roof



## **Buildings 253 and 211**





Performing alpha/beta scans of the 3<sup>rd</sup> Floor Class 2 SU 345 in Building 253

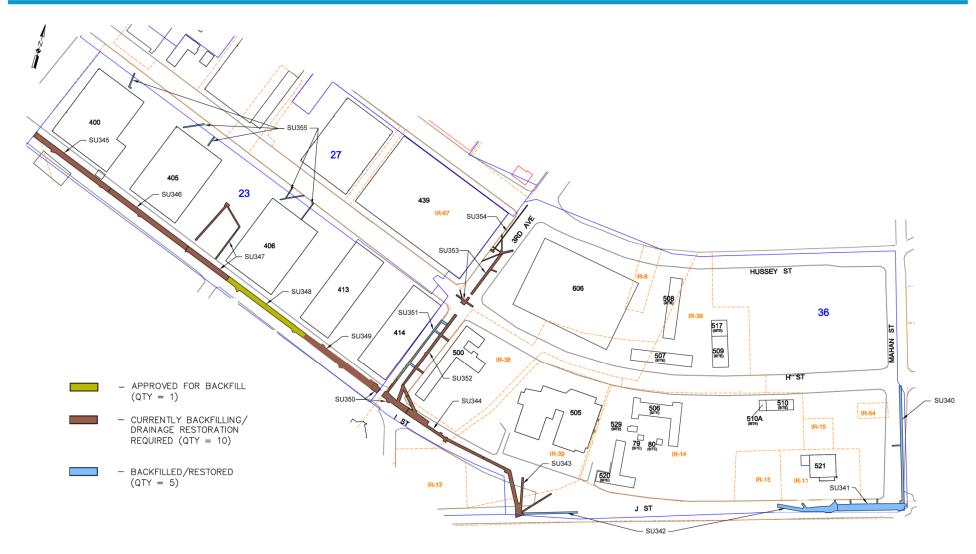
### Parcel E SS/SD Removals "I Street"



- SS/SD Removal 100% complete with removal of 7,642 LF
- All 16 Trench SUs Excavated:
  - 1 Approved for backfill
  - 10 Currently backfilling/undergoing site restoration
  - 5 Backfilled /restored
- Approximately 26,903 LF (5.1 miles) of piping still remains in Parcel E/E2.

# Parcel E SS/SD Removals "I Street"





# Parcel E SS/SD Removals "I Street"





Backfill of Trench SU 349 along I Street



Loading Excavated Soil SU 911 for backfill into Trench SU 350



Tarping truck bed prior to moving backfill material to Trench SU 347



Dust suppression during backfill of Trench SU 346

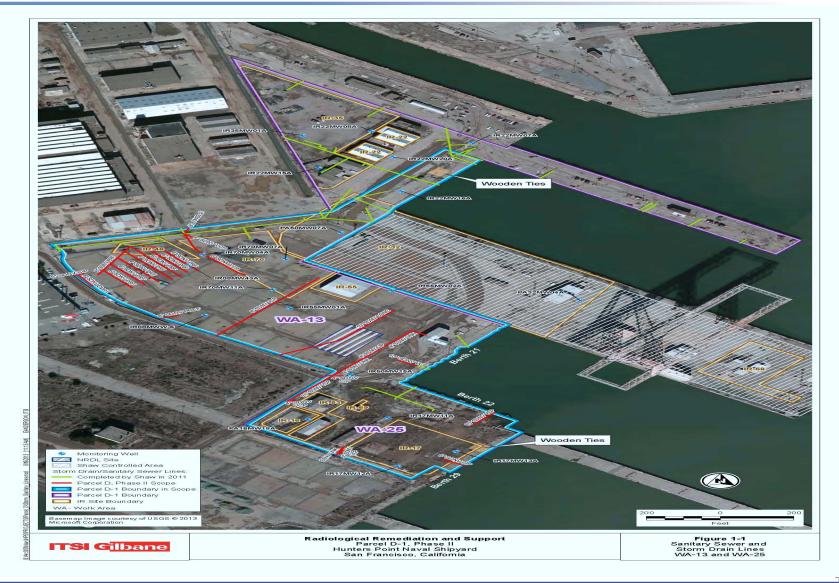
# Parcel D-1 Phase I



- Gun Mole Pier
  - CDPH confirmation surveys completed March 18
  - Recommendation for Unrestricted Radiological Release letter anticipated following CDPH analysis of confirmation samples and confirmation surveys



## Parcel D-1 Phase II



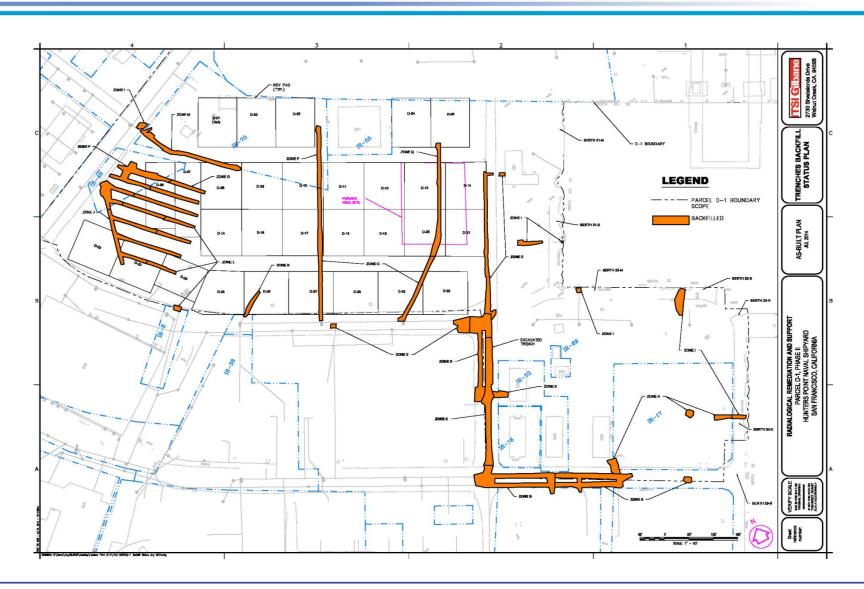
# Parcel D-1 Phase II



- Field Work resumed on July 14
  - Completed FSS of Ship Berths 21, 22, 29 & 14
  - Waste disposal of wooden rail ties –waiting acceptance letter from waste facility)
  - Completed survey of SS/SD trenches and the NRDL site; also completed backfilling
  - Found 8 deck-markers in Parcel D-1.
- Remaining Field Activities
  - Site restorations to be performed after deconstruction and removal of Parcel D-1 RSY Pads are completed
  - Demobilization October 2014

#### **Parcel D-1 Phase II**







# Completed Field Activities



**Rail Ties staged for GWS** 



Excavation of SS/SD and dust control



Excavation of SS/SD



**Excavation of SS/SD** 

# D-1 Project Schedule



Mobilization	Completed	
Site Prep Activities (Equipment assembly, calibration, SWPPP, utility survey, boundary installation)	Completed	
Waste Characterization of Railroad Ties	Ongoing (Awaiting Acceptance Letter from waste facility)	
Final Status Surveys of the Ship Berths	Completed	
SS/SD Excavation	Completed	
SS/SD Survey and Sampling & RASO Approval to Backfill	Complete June 18, 2014	
Backfill/Site Restoration & Final Gamma Walkover Surveys	Ongoing (Backfill is 100% complete, site restoration scheduled to be performed after removal of Parcel D-1 RSY Pads is completed)	
Field Work Completion & Demobilization	October 2014	
FSS Report	February 2015	

#### **Parcel D-1 Phase II**



#### Rail Ties Staged for T/D



#### Survey of excavated soil from trench on RSY Pad





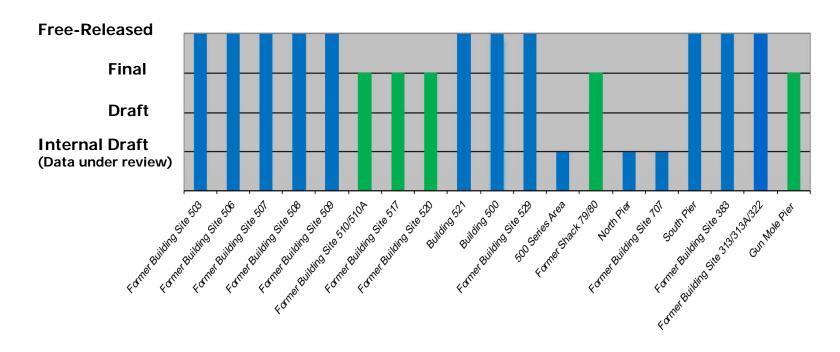
## **SS/SD Removal Totals**

	Est. LF of Pipe	LF of Pipe Removed	% Completed
Parcels UC1 & 2	4,969	4,969	100.0%
Parcel UC3	12,586	12,586	100.0%
Parcel B	24,719	24,719	100.0%
Parcel C - Ph 1	22,907	22,907	100.0%
Parcel C - Ph 2	14,300	14,020	98.0%
Parcel G	24,887	24,887	100.0%
Parcel D-1 Ph-1	12,952	12,952	100.0%
Parcel D-1 Ph-2	5,455	5,455	100.0%
Parcel D-2	2,286	1,988*	87.0%*
Parcel E/E2	58,000	31,097*	53.6%*
Total (LF)	183,061	155,580	85.0%
Total (miles)	34.7	29.5	85.0%

<sup>\*</sup> The remaining lines are capped and left in place due to the location of lines, i.e., 10ft within a building or in areas where removal would affect the structural integrity nearby structures or areas in anticipated restricted-release (landfill).

## FSS Report Status Parcels C, D-1, & E





Waiting for concurrence for Free-Release determination



# Upcoming Agency Document Schedule Parcels C, D-1, & E



- Draft Ship Berths FSS Report November 2014
- Draft Buildings 253/211 Radiological Characterization
   Survey Report December 2014
- Draft Parcel D-1 FSS Report December 2014
- Draft SUPR Packages (16 total) for Parcel E:
   <sup>1st</sup> SUPR Package (4 each) August 2014
   <sup>2nd</sup> SUPR Package (4 each) September 2014
   <sup>3rd</sup> SUPR Package (4 each September 2014
   <sup>4th</sup> SUPR Package (4 each) October 2014

### **Projected Field Completion Dates**



- Building 253/211 August 8, 2014
- Parcel E "I Street" August 30, 2014
- Parcel C Phase II September 15, 2014
- Parcel D-1 Phase II October 2014